

ABSTRACT OF THE INVENTION

The present invention relates to electrochromic
polymeric solid films, manufacturing electrochromic
5 devices using such solid films and processes for making
such solid films and devices. The electrochromic
polymeric solid films of the present invention exhibit
beneficial properties and characteristics, especially
when compared to known electrochromic media. The
10 electrochromic polymeric solid films are transformed in
situ from a low viscosity electrochromic monomer
composition by exposure to electromagnetic radiation,
and in so doing minimum shrinkage occurs. The
electrochromic polymeric solid films of the present
15 invention also perform well under prolonged coloration,
outdoor weathering and all-climate exposure, and
provide an inherent safety aspect not known to
electrochromic media heretofore.

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